

TIME SHIFT DATA ANALYSIS FOR  
LONG-RANGE GUIDED WAVE INSPECTION

ABSTRACT OF THE DISCLOSURE

5 A method of analysis long range guided wave data  
reflected from defects and geometric features such as  
welds in a structure. The method involves acquiring two  
sets of data, and time shifting one set of data relative  
to the other. Data points that match in time after the  
shifting are considered to represent defects or geometric  
features in the structure. The result of the method is  
exclusion of false signal data and automation of data  
10 analysis.

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